

September 17, 2015

MEMORANDUM FOR: Distribution Email

FROM: Christine Caruso Magee
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SUBJECT: Scheduled Operational Changes and Upgrades for
CPC, OPC, and WPC

The following accelerated items were implemented this past week:

RFC #438 – Updated the Winter Weather Watch Collaborator for the 2015-2016 season to add the 30% probability summary. Added a display of the Watch Collaborator output and the WPC PWPF (Probabilistic Winter Precipitation Forecast) to NMAP for the WPC Winter Weather Desk forecasters. Implemented on September 14 at 1200Z. (WPC)

RFC #439 – Repaired the 'uattribd' file to correctly convert forecast tropical depression symbols on the Unified Surface Analysis. Implemented on September 17 at 1700Z. (OPC)

The following will be implemented the week of September 21, 2015:

RFC #437 – Modify the 'create_bawx_ndfd_graphics.csh' script to add an issuance time to the web graphics. The hand-drawn precip graphics which were recently replaced by NDFD graphics contained the issuance time in the legend. The issuance time is currently missing from the NDFD graphics, so the time will be added to the legend between "WPC Fronts..." and "valid...". To be implemented on September 21 at 1200Z. (WPC)

RFC #440 – Initial implementation of GEMPAK-based NCEP model (GFS, GEFS, and GDAS) products for the international domains generated with collaboration of NCO. NCO makes the tar files available on the Compute Farm and CPC needs to untar them and transfer them to the web server. CPC will ensure the web page is labeled 'experimental' until NCO provides 24/7 support. To be implemented beginning September 21 at 0430Z and should be completed by September 24. (CPC)

The following CPC OPC WPC RFC(s) are in progress:

RFC #384 – The salinity fields in NOS's CBOFS model have drifted this summer by about 4 PSU, negatively impacting the Ecological Forecasts which use the CBOFS for Vibrio Vulnificus and Sea Nettle forecasts. A bias correction has been developed by the Ecological Forecast Pathogens group. This correction will be applied every 2 weeks through early fall or until the CBOFS model has been corrected. The Vibrio and Sea Nettles web pages will be restarted each time after the salinity correction has been implemented. Implementation began on July 22 at 2100Z and should be completed by October 27. (OPC)

The following NCO RFCs to be implemented the week of September 21, 2015 may affect CPC, OPC, and/or WPC:

None

The following NCO RFC(s) are in progress and may affect the local Centers:

RFC #1096 – WCOSS: SP5 Software Upgrade v5.0 - IBM will apply the Service Pack 5 software upgrade to the WCOSS systems. Included in this upgrade are changes to RHEL, GPFS, IBM PE, IBM xCAT and several other components. IBM software support has released its latest HPC software stack service pack and is urging all x86_64 based Infiniband HPC Cluster customers to apply it to maximize product support, and address some known system issues. A 24-hour parallel production test is required to test the SP5 upgrade and the upcoming GEFS upgrade. This 24-hour test is scheduled to begin effective with the 1200Z cycle on Thursday September 17.

RFC #1156 – WCOSS: TO4 network tie-in – Connect the Cray systems' Ethernet and Infiniband networks to WCOSS Phase 1 and Phase 2 network infrastructure. Work was completed on the Reston, VA systems in early August. There will be a 1-day outage of Gyre scheduled for September 21 to connect the Cray system Surge to Gyre. A single-cycle parallel production test is needed to test Gyre's functionality after Surge is connected. This is tentatively scheduled for Wednesday September 23

Please note that security-related RFCs are never listed in the RFC memo.

---- OPERATIONAL ANNOUNCEMENTS ----

1. The CPC/OPC/WPC Configuration Management documents are available at <https://sites.google.com/a/noaa.gov/nws-ncep-nco-cm/>.

Please review these documents if you have questions prior to submitting changes for CPC/OPC/WPC configurable items.